

H3

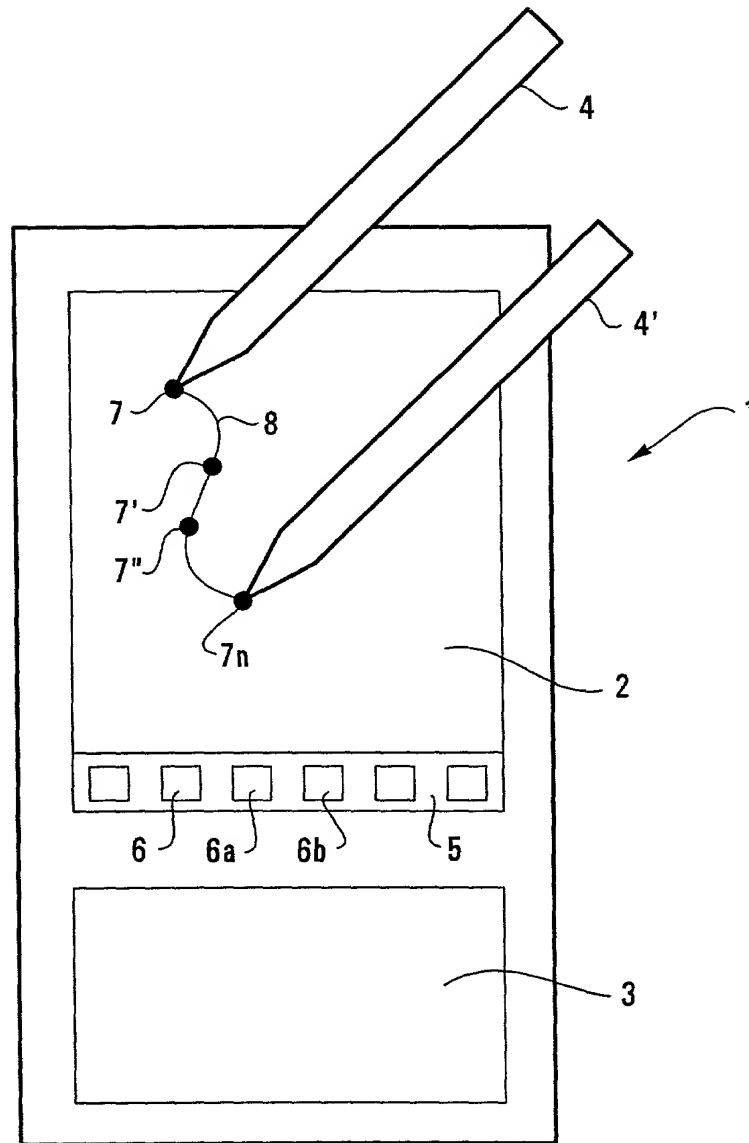


Figure 1

Table 1	
Relation	Formula
Linear	$y = m(x-h) + k$
Quadratic	$y = a(x-h)^2 + k$
Circle	$(x-h)^2 + (y-k)^2 = r^2$
Ellipse	$(x-h)^2/a^2 + (y-k)^2/b^2 = 1$
Hyperbola1	$(x-h)^2/a^2 - (y-k)^2/b^2 = 1$
Hyperbola2	$(y-k)^2/b^2 - (x-h)^2/a^2 = 1$
Parabola1	$y = a(x-h)^2 + k$
Parabola2	$(y-k)^2 = c(x-h)$
Exponential1	$y = b \cdot a^x + k$
Exponential2	$y = b \cdot e^{ax} + k$
Logarithmic	$y = b \cdot \ln(a(x-h)) + k$
Power	$y = a(x-h)^r + k$
Sine	$y = b \cdot \sin(a(x-h)) + k$
Cosine	$y = b \cdot \cos(a(x-h)) + k$

Figure 2

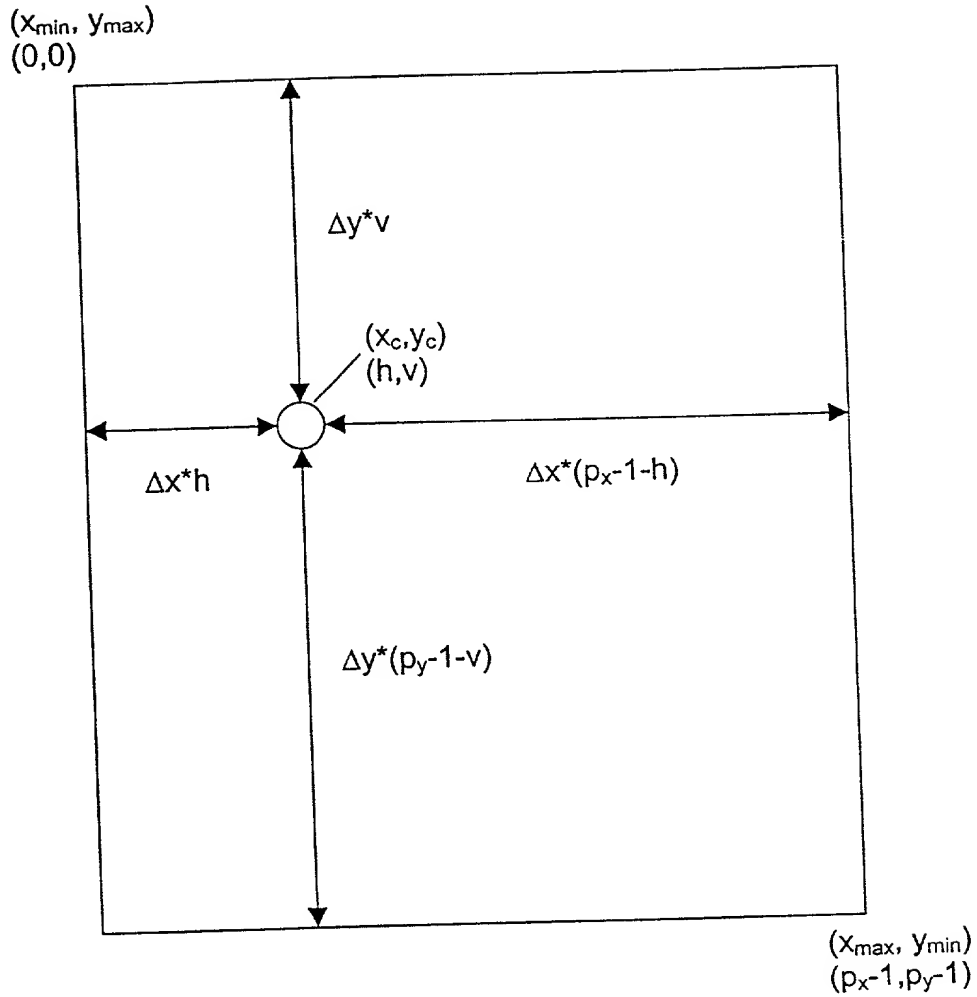


Figure 3

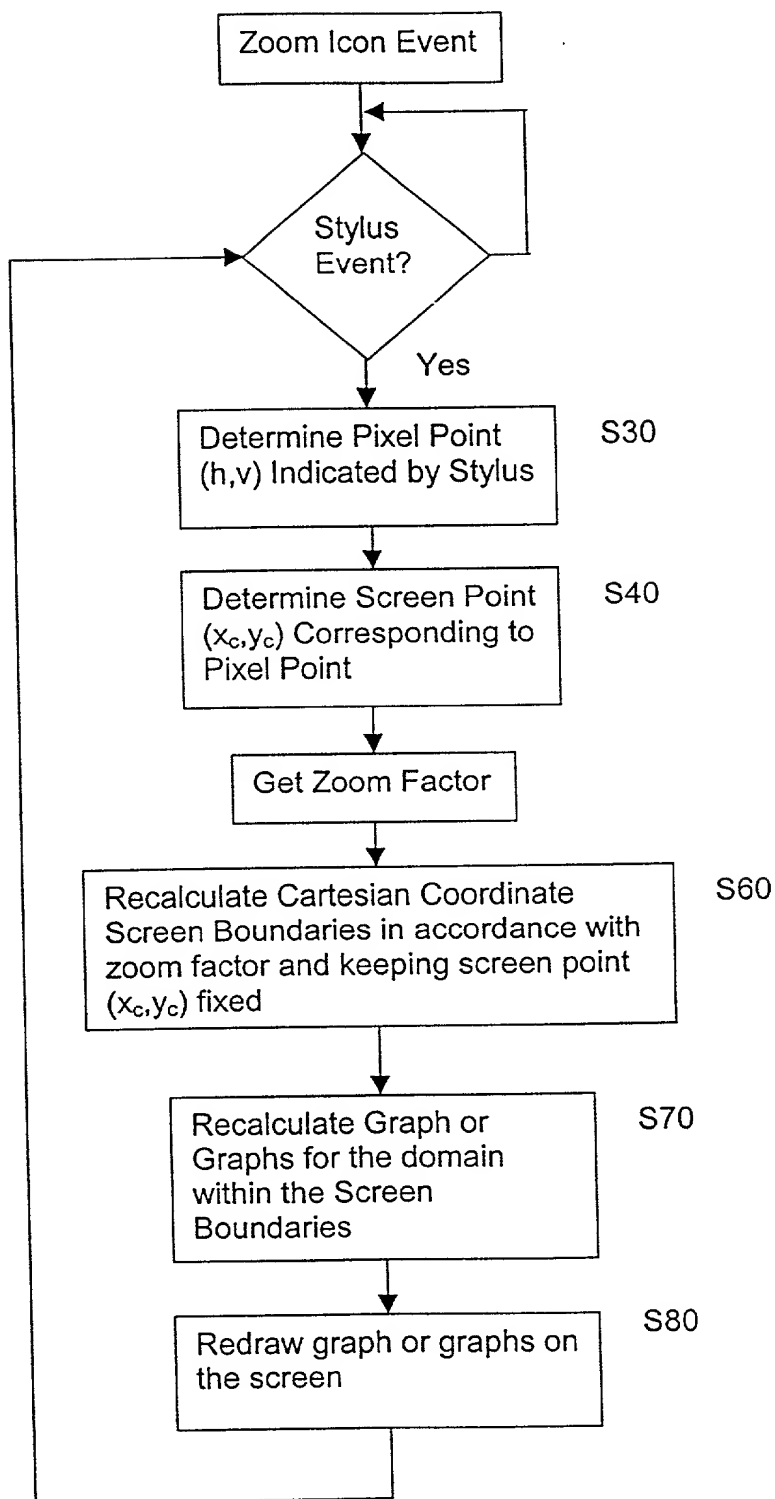


Figure 4

0. User initiates dynamic zoom

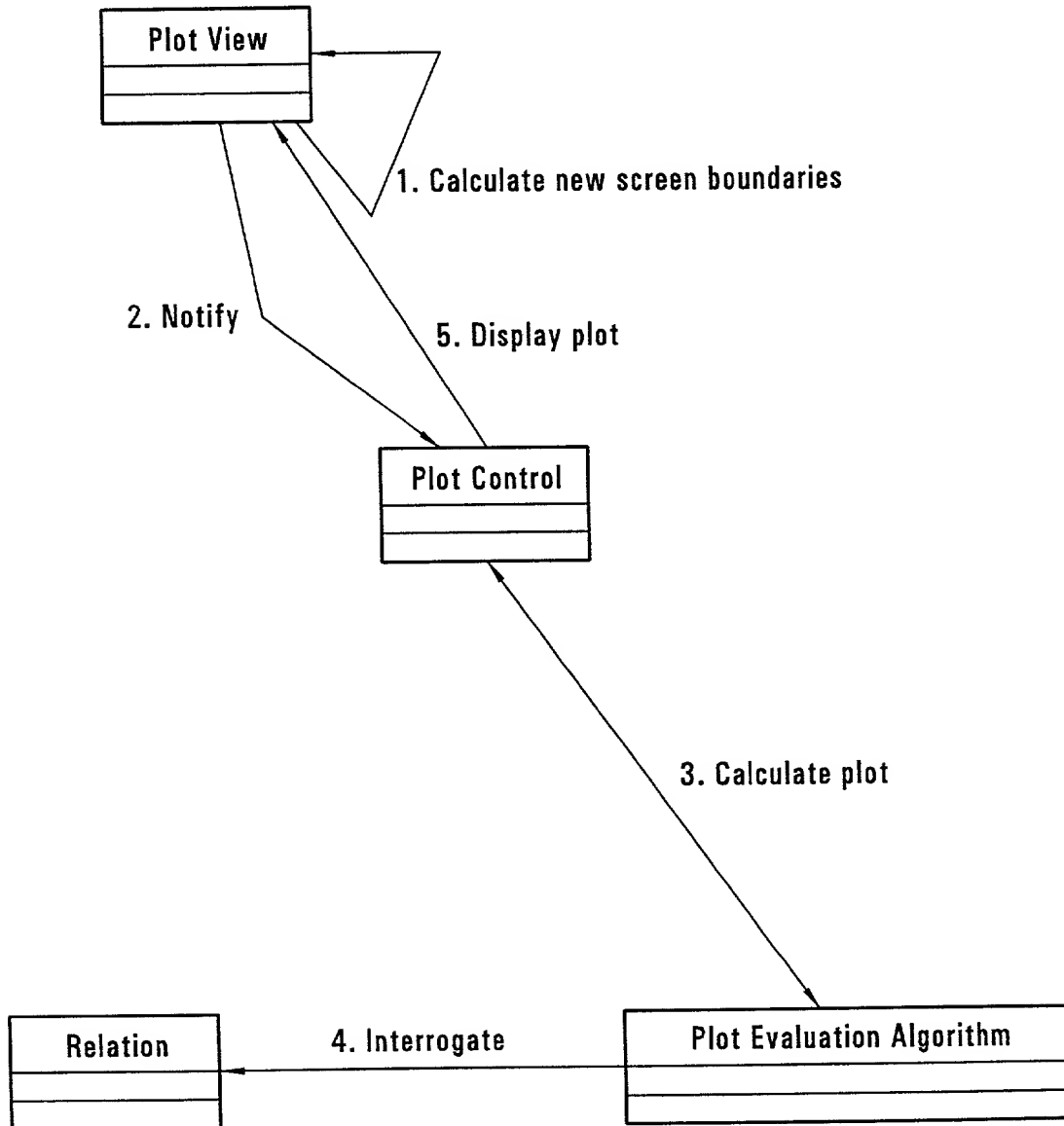


Figure 5

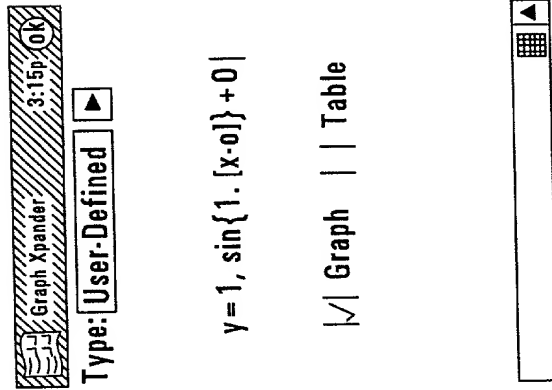


Figure 6

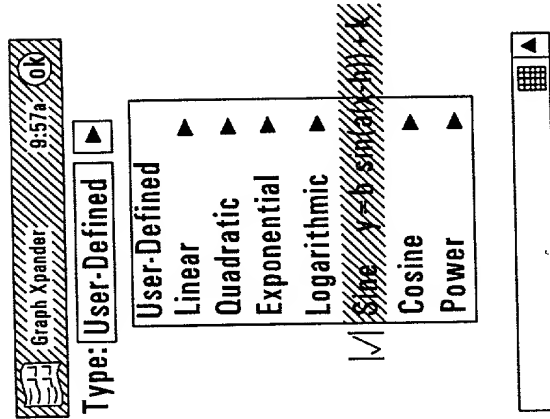


Figure 7

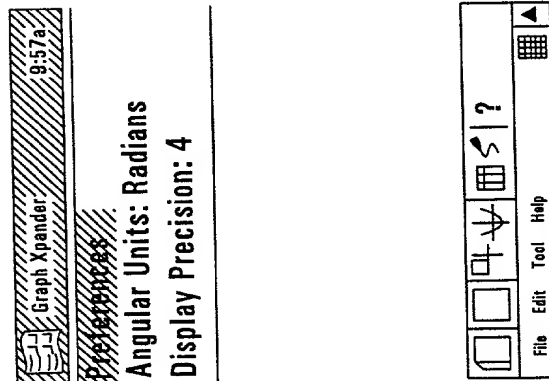


Figure 8

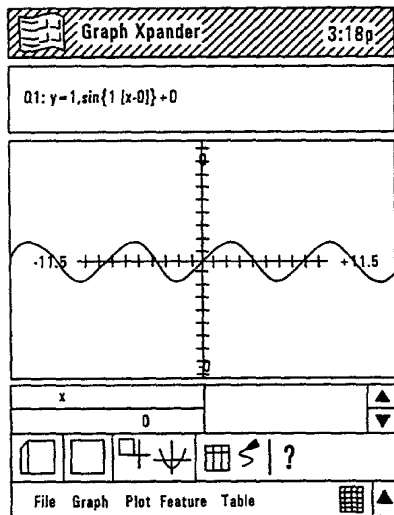


Figure 9

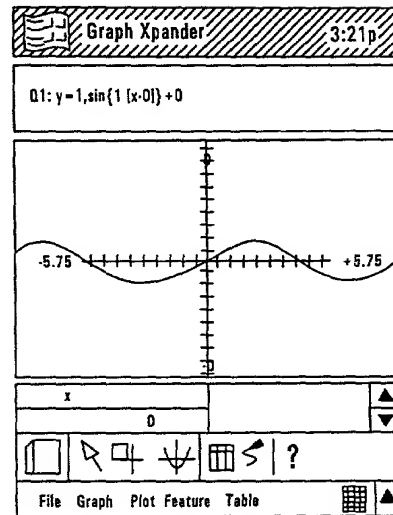


Figure 10

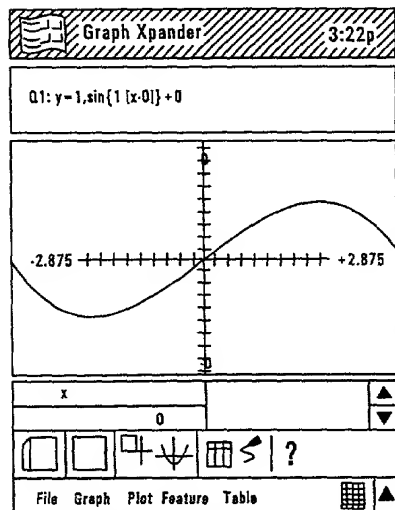


Figure 11

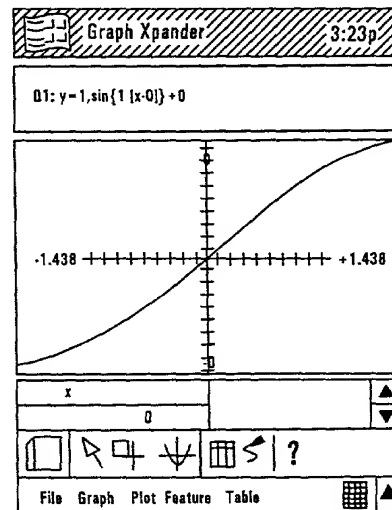


Figure 12